

HAMILTON COUNTY ENGINEER'S

SCOPE OF SERVICE

ENGLISH UNITS

1. **PROJECT IDENTIFICATION:** DRY FORK ROAD – ROADWAY IMPROVEMENTS

PROJECT No: 500031

Road No: 14

2. **PROJECT LIMITS:** Improvements in the vicinity of the roadway crest near the Whitewater/Harrison Township line. See Additional Information Sheet.

Length: See Additional Information Sheet

3. **AGREEMENT BETWEEN PROFESSIONAL ENGINEER AND:**

State _____ **County** XX **City** _____ **Other** _____

4. **METHOD OF FINANCING:**

Engineering: County Road and Bridge funds

Construction: Undecided at this time

5. **WORK PHASES INCLUDED IN AGREEMENT:**

PHASE A Plan Submission: Line, grade and typical sections on Base Sheets to be used in final plans. Critical cross sections are to be plotted. Potential design problem areas are to be identified.

PHASE B Plan Submission: To conform to Phase A recommendations. Final review submission is to include Special General Notes and Specifications and quantities.

6. **PLAN SCALES:**

PLAN: 1" = 20' Min.

PROFILE: Hor. 1" = 20' Min. Vert. 1" = 5' Min.

CROSS SECTIONS: Hor. 1" = 5' Min. Vert. 1" = 5' Min.

7. **JOURNALIZED SPEED LIMIT:**

Road Name: Dry Fork Road – 40 MPH

8. TYPICAL SECTIONS/NUMBER OF LANES:

Two lanes – See Additional Information Sheet

Curbs: YES _____ NO _____ Report to Recommend XX

Type: If curbs required, Type 6 Concrete Vertical curbs

Shoulders/Berms: YES _____ NO _____ Report to Recommend _____

Type: _____

Safety Grading: YES _____ NO XX Partial _____

Clear Zone Grading: YES _____ NO XX

Guardrail: YES _____ NO XX Type _____

Median: YES _____ NO XX

Fencing: YES _____ NO XX

Lighting: YES _____ NO XX

9. ALIGNMENT:

Existing alignment is to be basically followed. The alignment through the elongated "S" curve is to be modified, if necessary, to easily accommodate truck traffic.

10. PROFILE:

Existing profile is to be modified as necessary to increase sight distance and accommodate truck traffic.

11. SIGNING: YES _____ NO XX

Phase A: YES _____ NO XX

Phase B: YES _____ NO XX

12. SIGNALS: YES _____ NO XX

Phase A: Recommendation _____ Prelim Plan _____

Phase B: YES _____ NO _____

Warrants: YES _____ NO _____

13. STRIPING: YES _____ NO XX

Phase A: Recommendation _____ Prelim Plan _____

Phase B: Final Plan _____ Type _____

14. DELINEATION:

Delineators: YES _____ NO XX

RPMs: YES _____ NO XX

15. DRAINAGE:

Drainage Criteria: State _____ County XX Public Works _____

Other _____

Phase A Preliminary Plan: YES _____ NO _____

Existing: Surface XX Closed _____

Proposed: Surface XX Closed XX

Storm water Pollution Prevention Plan: YES _____ NO XX

Flood Plain Study Required: YES XX NO _____

Channel Change Study Required: YES XX NO _____

Remarks: Professional Engineer is to determine if additional runoff will cause problems in immediate downstream areas. This will mean in the first section of existing pipe to which a connection is made OR in the open flow areas to the first major culvert.

16. BRIDGE CROSSINGS:

Number of Bridges: None

Cross Roads: _____

Streams: _____

Supplemental Site Plan for Streams: YES _____ NO _____

Culverts: YES _____ NO _____

Alternates Required: YES _____ NO _____

Railroads: _____

Railroad Location Plan: YES _____ NO _____

Railroad Site Plan: YES _____ NO _____

Pedestrian: _____

Mass Transit: _____

17. MISCELLANEOUS DESIGN CONSIDERATIONS:

Bikeways: YES _____ NO XX

Railroads: YES _____ NO XX

Mass Transit: YES _____ NO XX

Service Roads: YES _____ NO XX

18. RETAINING WALLS:

Number of Retaining Walls: _____

Type(s) of Retaining Walls: _____

Phase A: YES _____ NO _____ Justification _____

Phase B: YES _____ NO _____ Justification _____

Remarks: _____

19. MAINTENANCE OF TRAFFIC:

Maintenance of Vehicular Traffic: YES _____ NO XX

Temporary Road(s): YES _____ NO XX Phase A to Recommend _____

Temporary Road Plans & Notes by: County _____ Professional Engineer _____

Detour Plan Prepared by: County XX Professional Engineer _____

Remarks: Construction of drainage improvements to be completed under traffic. Construction of roadway improvements will require closure of the road. Professional Engineer is to prepare tentative sequence of construction outline and maintenance of traffic notes in sufficient detail for the proper control of traffic through the project. Items are to be submitted with final review submission.

Maintenance of Pedestrian Traffic: YES _____ NO XX

Maintenance of Railroad Traffic: YES _____ NO XX

20. UTILITIES:

Water (XX) Sanitary (XX)

Electric (XX) Gas (XX)

Telephone (XX) Cable TV (XX)

Pub. Works (XX)

Others: _____

Professional Engineer shall contact all Utility Companies and indicate all existing utilities (including house connections) on the plans as required by Section 153.64 O.R.C. (H.B.538). Professional Engineer shall furnish all utilities with a copy of the preliminary plans for preliminary coordination. A copy of the transmittal letters shall be furnished to the County Engineer.

21. ESTIMATED QUANTITIES:

Phase A: YES _____ NO XX

Phase B: YES XX NO

Quantity Splits: YES _____ NO XX

22. CONSTRUCTION COST ESTIMATE:

Submit with Proposal: YES XX _____ NO _____
Phase A: YES _____ NO XX _____
Phase B: YES _____ NO XX _____

23. EXTENT OF FIELD SURVEYS:

Survey Information by: Field Method XX _____ Aerial _____

Main Road Alignment	(<u>XX</u>)
Main Road Profile	(<u>XX</u>)
Side Road Alignment	(<u>XX</u>)
Side Road Profile	(<u>XX</u>)
Reference Points & Bench Marks	(<u>XX</u>)
Aerial Control	()
Alignment & Profile of Driveways	(<u>XX</u>)
Cross Sections	(<u>XX</u>)
Pavement Salvage Sections	(<u>XX</u>)
Channel Cross Sections	()
Profile of Channel	()
Drainage Survey	()
Topo Identification	(<u>XX</u>)
Utilities	(<u>XX</u>)
Property Lines	(<u>XX</u>)
Existing Right-of-way lines	(<u>XX</u>)
Geotechnical Boring Staking	()
Right-of-way Staking	()

24. RIGHT-OF-WAY AND EASEMENTS:

Property Map	()
Centerline Plat	(<u>XX</u>)
R/W Summary	(<u>XX</u>)
Final Right-of-way Plans	(<u>XX</u>)
R/W & Easement Descriptions	(<u>XX</u>)
Establishment Plat	(<u>XX</u>)
Establishment Descriptions	(<u>XX</u>)
Right-of-way Staking	(<u>XX</u>)
Approximate Number of Parcels	

Remarks: Preparation of Right-of-way, easement and Establishment descriptions and plans will be a part of the original agreement and the cost for same should be included in the original proposal.

25. TRAFFIC DATA:

State _____ County XX _____ Professional Engineer _____

Remarks: Traffic Dept. must approve all traffic data prior to use.

26. **GEOTECHNICAL/SUBSURFACE INVESTIGATION:**

State _____ County XX Professional Engineer _____

Other _____

Remarks: Work to be completed as needed. Professional Engineer is to determine and field locate boring locations.

27. **PRIOR STUDIES:** None

28. **PUBLIC HEARINGS/INFORMATIONAL MEETINGS:**

Type of Hearing Required: None

Professional Engineer's Responsibility: _____

Exhibits: _____

ADDITIONAL INFORMATION SHEET

DRY FORK ROAD – ROADWAY IMPROVEMENTS

500031

- 1) The Professional Engineer will determine the final length of the proposed roadway improvements based upon the proposed realignment of the curve, modification of the existing profile and the required transition lengths.
- 2) The proposed lane widths will be a minimum of twelve (12) feet with curbs or a two (2) foot wide paved berm. As the County will include the resurfacing of Dry Fork Road in this project, the typical pavement section for the proposed widening will be two (2) – four (4) inch courses of Item 301, Bituminous Aggregate Base material.
- 3) As noted in the Scope of Service, the preparation of the required right-of-way plans and descriptions and the establishment plat and descriptions is included in the Scope and the costs involved in same is to be included in the original proposal submitted for the project.